	TRANSMITTAL FORM			Applicati n Number		10/7	10/717,785	
E C.				Filing Date		11/20	11/20/2003	
20,0				First Named Invent r Richar		Richa	ard Veil et al.	
(to h	(to the used for all correspondence after initial filing)			Group	Art Unit			
to b				Examiner Name				
TENT &	\I I ₩ Number of Pages in This Submission			Attorn	ey Docket Numb	er 4965	-000168	
TENI O	ENCLOSURES (check all that apply)							
□F	Fee Transmittal Form			Assignment Papers (for an Application)			After Allowance Communication to Group	
] [Fee Attached		☐ Drawing(s)			opeal Communication to Board of ppeals and Interferences		
	mendment / Respo	nse	Licensir	ng-relate	d Papers		opeal Communication to Group ppeal Notice, Brief, Reply Brief)	
_ [After Final		Petition			□P	oprietary Information	
ָּ נ	Affidavits/declaration(s)			Petition to Convert to a Provisional Application			atus Letter	
.	Extension of Time Request			Power of Attorney, Revocation Change of Correspondence Address			Other Enclosure(s) lease identify below):	
	Express Abandonment Request			☐ Terminal Disclaimer ☐ Request for Refund			International Preliminary Examination Report; and postcard.	
	☐ Information Disclosure Statement			CD, Number of CD(s)				
	Certified Copy of Priority Document(s)			Bomada additional fees that n			s hereby authorized to charge any nay be required under 37 CFR 1.16 or 1.17 do. 08-0750. A duplicate copy of this	
	Response to Missing Parts/ Incomplete Application				1			
	Response to Missing Parts under 37 CFR 1.52 or 1.53							
		·SIGNA	TURE OF A	PPLIC	ANT, ATTORNE	Y, OR AGE	NT	
or	Firm or Harness, Dickey &		Pierce, P.L.C		Attorney Name Christopher M. Brock		Reg. No. 27313	
Si	Signature Christophen M. Brosle							
	Date January 8, 2004							
	CERTIFICATE OF MAILING/TRANSMISSION							
addı	I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.							
	Typed or printed name Christopher M		I. Brock		Express Ma Label No.	EV 406 075 745 US (1/8/2004)		
Si	gnature	Ulm	sople	~ 14	Brook	Date	January 8, 2004	

Translation

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 4035P130WO - ML/ha	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)				
International application No. PCT/EP02/02840	International filing date 14 March 200		Priority date (day/month/year) 22 May 2001 (22.05.01)		
International Patent Classification (IPC) or national classification and IPC F16P 3/00					
Applicant PILZ GMBH & CO.					
1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 2. This REPORT consists of a total of \$heets, including this cover sheet. This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT). These annexes consist of a total of sheets. 3. This report contains indications relating to the following items: I					
Date of submission of the demand	1	Date of completion of this report			
12 December 2002 (12.1	2.02)	14 August 2003 (14.08.2003)			
Name and mailing address of the IPEA/EP	A	Authorized officer			
Facsimile No.	т	Telephone No.			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP02/02840

I. Basi	s of th	ne report		
1. This	repor	t has been drawn cle 14 are referred to	on the basis of (Replacement shee o in this report as "originally filed"	ets which have been furnished to the receiving Office in response to an invitation and are not annexed to the report since they do not contain amendments.):
,		the internationa	al application as originally filed.	
	\boxtimes	the description,	pages1-16	, as originally filed,
	-		pages	_, filed with the demand,
			pages	, filed with the letter of
			pages	, filed with the letter of
	\boxtimes	the claims,	Nos. 1-11	as originally filed
	لاست			_ , as amended under Article 19,
			Nos.	
				_ , filed with the letter of,
				, filed with the letter of
		the drawings,	sheets/fig1/3-3/3	
	لحكا	-	sheets/fig	
				_ , filed with the letter of ,
	•			, filed with the letter of
2. The a	mendr	ments have resulte	ed in the cancellation of:	
			pages	
			Nos.	
*.	\equiv		sheets/fig	
		<u></u>		
3.	This r	report has been est	tablished as if (some of) the am	endments had not been made, since they have been considered Supplemental Box (Rule 70.2(c)).
		Deyona me aleste.	suit as micu, as mulcalcu m me	Supplemental Box (Rule 70.2(c)).
4. Additi	onal o	observations, if nec	cessary:	
		•		
	•			

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/EP 02/02840

V. Reasoned statement under Article 3 citations and explanations supporting		inventive step or industrial applic	eability;
1. Statement	·		· · ·
Novelty (N)	Claims	1-11	YES
	Claims		NO NO
Inventive step (IS)	Claims	1-11	YES
	Claims		NO
Industrial applicability (IA)	Claims	1-11	YES
	Claims		NO

- 2. Citations and explanations
 - 1. Claim 1 relates to a safety switching module having a first and second switch control device, and a first switching element and a second switching element connected in series thereto, the first switching element being controllable by the first switch control device and the second by the second switch control device, and it being possible to test the switching-off capacity of at least one switching element using an evaluation and control device.

 Modules of this type are known in general.

In order to enable the switching-off capacity of the switching elements to be tested also for large currents to be switched and/or capacitive or inductive loads, third and fourth switching elements are provided that are arranged in series with respect to each other and in parallel to the first series connection and form a second current path, the third switching element being controllable by the first switch control device and the fourth switching element by the second switch control device, and the evaluation and control device testing the switching elements alternatingly in one of the current paths.

International application No.

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PCT/EP 02/02840

The above features are novel and industrially applicable and involve an inventive step, since none of the cited documents contains anything that suggests them.

- Dependent Claims 2 to 10 contain advantageous embodiments of the safety switching module according to Claim 1 and therefore likewise meet the relevant requirements.
- 3. Claim 11 describes a method that corresponds to the above module and involves the following steps:
 - providing a first current path having at least one switching element;
 - providing a second current path having at least one switching element parallel to the first current path; and
 - alternatingly testing the switching-off capacity of one of the two current paths, the current path that is not being tested supplying the load alone.

This method is likewise novel and industrially applicable and involves an inventive step, since none of the cited documents contains anything that suggests it.